

C₁
a second section disposed over said lifting mechanism capable of moving corresponding to said lifting mechanism, said second section having a first sliding mechanism capable of movement in a first horizontal direction, said first sliding mechanism comprising a block and a lead screw for moving said block; and

a third section disposed over said sliding mechanism and attached to said block, capable of moving in response to movement of said sliding mechanism and said lifting mechanism, said third section having a surface for supporting an object.

6. (Amended) The apparatus according to claim 1 wherein said sliding mechanism further comprises slider blocks having slide rails.

sub C₁
B₃
11. (Amended) The apparatus according to claim 10 wherein said first section further comprises a clearance between said first section and an underlying surface whereby said apparatus can clear obstacles when moving in said second horizontal direction.

sub C₁
B₄
13. (Amended) An adjustable support for positioning a piece of equipment comprising:

a base frame, a first section, and a second section;

a lifting mechanism disposed between said base frame and said first section for lifting and lowering said first section in a vertical direction with respect to said base frame, said lifting mechanism comprising a jacking screw mechanism and a gas cylinder assembly; and

C1
B4
a first sliding mechanism disposed between said first section and said second section for sliding said second section with respect to said first section, said sliding occurring in a direction perpendicular to said vertical direction, said second section having a surface to support a piece of equipment.

Sub C17
B5
19. (Amended) The support according to claim 13 further comprising a pressurized gas source for said gas cylinder assemblies.

Sub C17
B6
25. (Amended) An apparatus for supporting an object, said apparatus having a mechanism for lifting and lowering the object in a vertical direction and a separate mechanism for sliding an object in a first horizontal direction, said apparatus having wheels for rolling along a surface in a second horizontal direction orthogonal to said first horizontal direction;

wherein said mechanism for sliding comprises a lead screw and a movable block mechanism, and slider blocks having slide rails.

Sub C17
B7
34. (Amended) An apparatus for positioning an object comprising:
a support frame having wheels for rolling said apparatus in a first horizontal direction;
a lifting and lowering mechanism disposed over said support frame, said lifting and lowering mechanism comprising at least four jacking screws having a transmission system for operation of said jacking screws, said lifting and lowering mechanism further comprising at least two gas cylinders having a pressurized gas source for operating said gas

cylinders wherein said gas cylinders assist said jacking screws in said lifting and lowering mechanism;

a first plate connected to said lifting and lowering mechanism such that said lifting and lowering mechanism imparts motion to said first plate;

a sliding mechanism disposed over said first plate, said sliding mechanism comprising a block having a transmission system for moving said block in a second horizontal direction perpendicular to said first horizontal direction;

a second plate disposed over said sliding mechanism and attached to said block such that said sliding mechanism, said lifting and lowering mechanism, and the rolling of said wheels impart motion to said second plate, said second plate having a surface for supporting an object.

35. (Amended) A method for positioning an object comprising:

providing a table having a support section adapted to move vertically and horizontally;

placing an object on said support section;

moving said table toward a desired destination for said object;

operating a lift mechanism to move said support section vertically, wherein operating said lift mechanism comprises manually rotating an input shaft attached to jacking mechanisms and supplying a pressurized gas to gas cylinder assemblies;

operating a slide mechanism to move said support section horizontally;

said object being positioned in a desired location by said moving and operating

actions.
